



**LOS VAQUEROS RESERVOIR JOINT POWERS AUTHORITY  
OPERATIONS AND ENGINEERING COMMITTEE  
AGENDA**

Regular Meeting  
November 17, 2022 – 10:00 a.m.

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**SPECIAL NOTICE OF TELECONFERENCE ACCESSIBILITY**

Pursuant to the provisions of Government Code Section 54953(e), as amended by Assembly Bill 361, any Committee Member and any member of the public who desires to participate in the open session items of this meeting may do so by accessing the Zoom link below without otherwise complying with the Brown Act's teleconference requirements.

**Please click the link below to join the Meeting/Webinar:**

**<https://lagerlof.zoom.us/j/83227564437?pwd=SnBST0lHQXdkbm8rNEp0ODB0NjN0dz09>**

**Webinar ID: 832 2756 4437**

**Passcode: 567930**

**Or One tap mobile:**

**US: +16699006833,,83227564437#,,,\*567930#**

**or Telephone: +1-669-900-6833**

Any member of the public wishing to make any comments to the Committee may do so by accessing the above-referenced link where they may select the option to join via webcam or teleconference. Members of the public may also submit written comments to the Interim Clerk by 4:00 p.m. on the day prior to the meeting for the Interim Clerk to read into the record (subject to three-minute limitation). The meeting Chair will acknowledge such individual(s) at the appropriate time in the meeting prior to making their comment. Members of the public will be disconnected from the meeting prior to any Closed Session, if applicable.

*NOTE: To comply with the Americans with Disabilities Act, if you need special assistance to participate in this Committee meeting, please contact the Authority's Interim Clerk at [rperea@lagerlof.com](mailto:rperea@lagerlof.com) by 4:00 p.m. on November 16, 2022 to inform the Authority of your needs and to determine if accommodation is feasible. Each item on the Agenda shall be deemed to include any appropriate motion, resolution, or ordinance, to take action on any item. Materials related to items on this Agenda are available for public review at: [www.losvaquerosjpa.com/board-meetings](http://www.losvaquerosjpa.com/board-meetings).*

**CALL TO ORDER**

**PLEDGE OF ALLEGIANCE**

**ROLL CALL OF COMMITTEE MEMBERS**

Jose Gutierrez – Chair, San Luis & Delta-Mendota Water Authority  
Jonathan Wunderlich – Alameda County Water District  
Antonio Martinez – Contra Costa Water District  
Steve Ritchie – San Francisco Public Utilities Commission

**PUBLIC COMMENT ON NON-AGENDA ITEMS**

*Any member of the public wishing to address the Operations and Engineering Committee regarding items not on the Agenda should do so at this time. The Committee welcomes your comments and requests that speakers present their remarks within established time limits and on issues that directly affect the Authority or are within the jurisdiction of the Authority.*

**DISCUSSION ITEMS**

- 1.1 October 20, 2022 Operations and Engineering Committee Meeting Summary**
- 1.2 Design Update of Transfer-Bethany Pipeline Turn-In**
- 1.3 Review of LVE Labor Stabilization Program**
- 1.4 Discussion of Future Committee Meeting Procedures and Attendance**

**FUTURE AGENDA ITEMS**

**ADJOURNMENT**

**ITEM 1.1:   OCTOBER 20, 2022 OPERATIONS AND ENGINEERING COMMITTEE MEETING SUMMARY**

**RESPONSIBLE/LEAD STAFF MEMBER:**

James Ciampa, General Counsel

**DISCUSSION:**

Attached for the Committee's information is the summary prepared for the October 20, 2022 Operations and Engineering Committee meeting.

**ALTERNATIVES:**

Any suggested revisions to the attached summary will be considered.

**FISCAL ANALYSIS:**

Not applicable.

**ENVIRONMENTAL REQUIREMENTS:**

Not applicable.

**EXHIBITS/ATTACHMENTS:**

Summary from October 20, 2022 Operations and Engineering Committee meeting



## **SUMMARY OF REGULAR MEETING OF OPERATIONS AND ENGINEERING COMMITTEE**

October 20, 2022 – 10:00 a.m.

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All members of the Committee (Jose Gutierrez, Chair; Jonathan Wunderlich, Steve Ritchie and Antonio Martinez) were present.

### **1.1 September 15, 2022 Operations and Engineering Committee Meeting Summary**

The summary from the September 15, 2022 Operations and Engineering Committee meeting was presented and was accepted without change.

### **1.2 Review of Draft Principles related to Design and Construction Agreement to be Entered into with CCWD**

Taryn Ravazzini, Executive Director, introduced Chris Hentz, CCWD's LVE Engineering Manager, who provided the Committee with a summary of the concepts and related issues that will be addressed in the Design and Construction Agreement the Authority will enter into with CCWD, including the seven principles that will be incorporated into that agreement. Mr. Hentz noted that a separate Design and Construction Agreement will be needed between the JPA and East Bay Municipal Utility District (EBMUD) for the improvements to the EBMUD Walnut Creek Pumping Plant. Chair Gutierrez asked about the timing for the deposits in advance of work to be performed and was advised that the timing on the advanced payments will be worked through as the language of the Agreement is developed. The final terms of the Design and Construction Agreement will be brought back to the Committee prior to the JPA Board approval which is anticipated in Spring 2023.

### **1.3 Program Management Approach**

At the October 12, 2022 Board of Directors' meeting, the Board provided input to the Executive Director and requested that she ensure that the Operations and Engineering Committee be involved in the process to develop the scope of work for the Program Management team.

Committee members then discussed the Program Management position and the upcoming selection process. The Program Manager will support the Executive Director and assist in coordination with CCWD and EBMUD. Executive Director Ravazzini reviewed a preliminary draft scope of work and requested input on additional services which may be required. The scope of work will be customized as to what member agencies feel works

best. The Program Management selection process will be a competitive selection process based on CCWD's administrative procedures. Staff participation in the interview process will be utilized. The contract with the selected consultant will require approval by the JPA Board. Staff will finalize the Request for Proposals in November and anticipates Board approval of the consultant contract in April 2023. Executive Director Ravazzini will be following up and updating the Board at the November 9 Board meeting.

**Future Agenda Items:**

- Possibility of forming a work group (jointly between the Finance Committee and the Operations and Engineering Committee) to address bridge funding in relation to the advance payments needed under the Design and Construction Agreements;
- Presentation on the South Bay Aqueduct;
- Discussion of Project Labor Agreement;
- Review of final report on the Transfer Pipeline inspection;
- Presentation on the physical model for Pumping Plant 1; and
- Review of Department of Water Resources Turn-In Agreement

The November Committee meeting is scheduled for November 17, 2022. The meeting was adjourned at 11:21 a.m.

*James D. Ciampa*

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James D. Ciampa  
General Counsel

**ITEM 1.2: DESIGN UPDATE OF THE TRANSFER-BETHANY PIPELINE TURN-IN**

**RESPONSIBLE/LEAD STAFF MEMBER:**

Taryn Ravazzini, Executive Director

**DISCUSSION:**

CCWD staff will provide the Committee with an update on the design of the Transfer-Bethany Pipeline Turn-In.

**ALTERNATIVES:**

For information only

**FISCAL ANALYSIS:**

Not applicable

**ENVIRONMENTAL REQUIREMENTS:**

Not applicable

**EXHIBITS/ATTACHMENTS:**

Slide deck regarding Transfer-Bethany Pipeline Turn-in Design Update

The logo for the Los Vaqueros Reservoir Expansion Project. It features the words "LOS VAQUEROS" in large, bold, blue capital letters. Below this, "RESERVOIR EXPANSION PROJECT" is written in smaller, green capital letters. To the right of the text is a vertical graphic consisting of four stacked, trapezoidal shapes that resemble a dam or a reservoir cross-section, colored in shades of blue and green.

**LOS  
VAQUEROS**  
RESERVOIR  
EXPANSION  
PROJECT

The background of the slide is a scenic landscape. In the foreground, there are rolling green hills with some trees. In the middle ground, a large blue reservoir is visible, surrounded by a concrete dam structure. In the background, there are more green hills and several wind turbines under a clear sky.

**Operations and Engineering  
Committee Meeting  
Transfer - Bethany Pipeline  
Turn-in Design Update**

**November 17, 2022**



# Background



- The California Aqueduct Turn-In is the point of discharge for the Transfer-Bethany Pipeline (TBPL)
- A Turn-In Agreement is needed with the California Department of Water Resources (DWR)
- DWR requires review and approval of the Turn-In design prior to approving a Turn-In Agreement
- DWR reviewed and provided comments on the preliminary design and 30-percent design
- The 90-percent design is with DWR for review



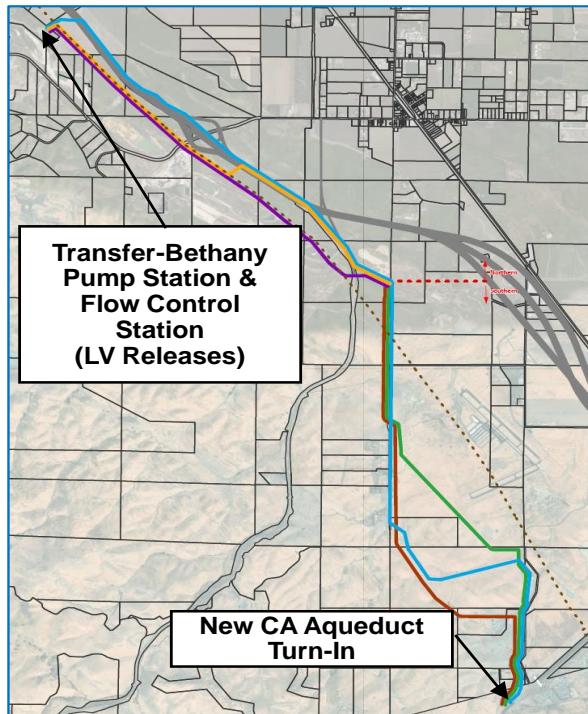


## Transfer-Bethany Pipeline

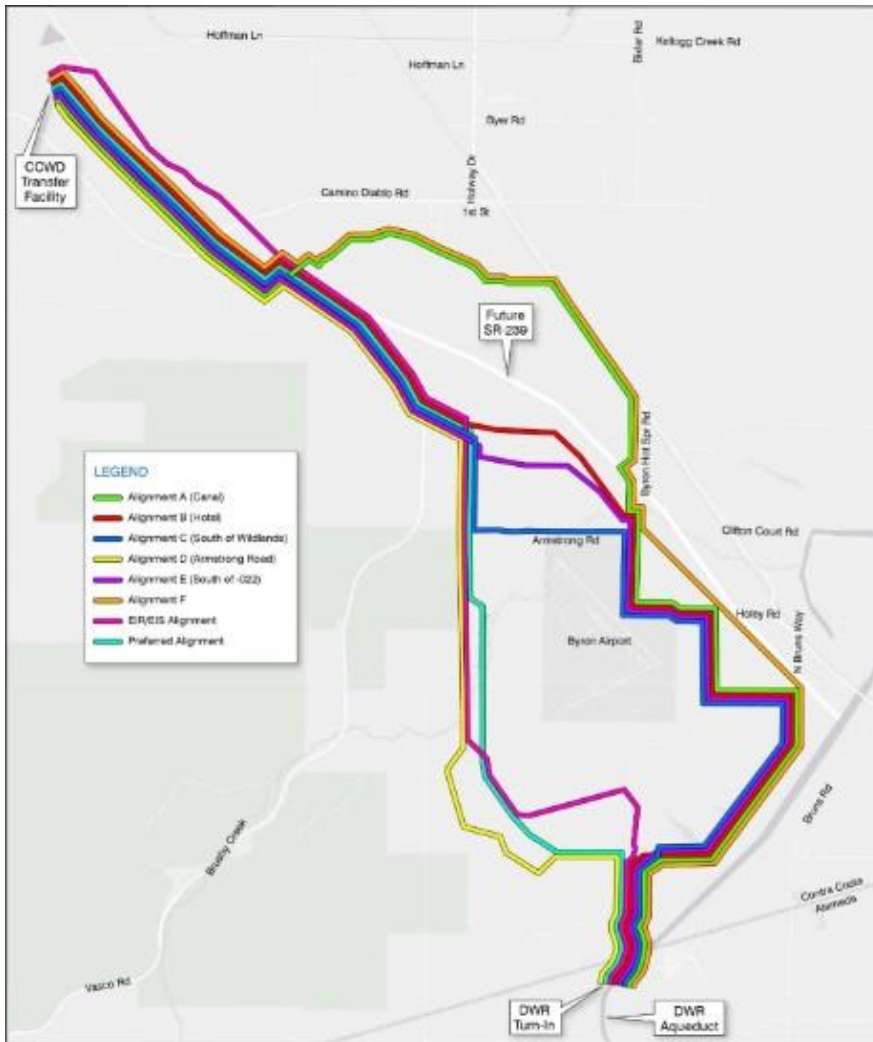


- Conveys water from new Transfer Facilities to CA Aqueduct
  - 8-mile, 90-inch diameter pipeline
  - 300 cfs capacity
- Upstream controlled
  - T-B Pump Station Deliveries
  - LV Releases

## TBPL Alignment Analysis



- Evaluated a wide variety of alignments in 2019
- Refined and further evaluated alignments in 2021:
  - Impacts to Lands under conservation protections
  - Planned Transportation Corridor
  - Impacts to Sensitive Habitat
  - Capital and Long-Term Cost
  - Others



## Additional Alignments

- CA DFW requested further evaluation of alignments that avoid conserved lands
- Bring all to a similar level of detail as 2021 alignment evaluation
- Continue to review and assess with CA DFW
- Final alignment selection is anticipated in early 2023

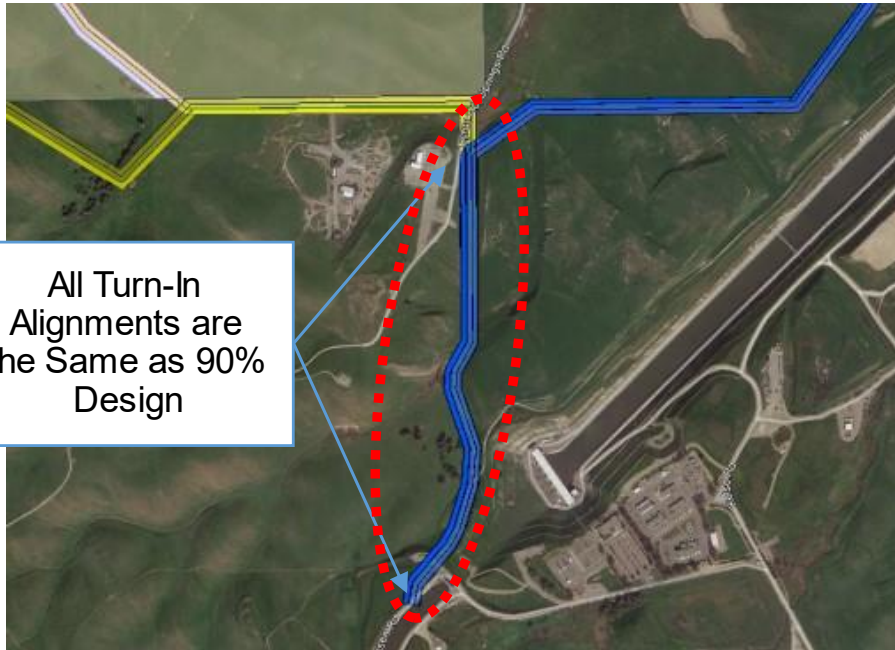


# Turn-in Facility Design Review



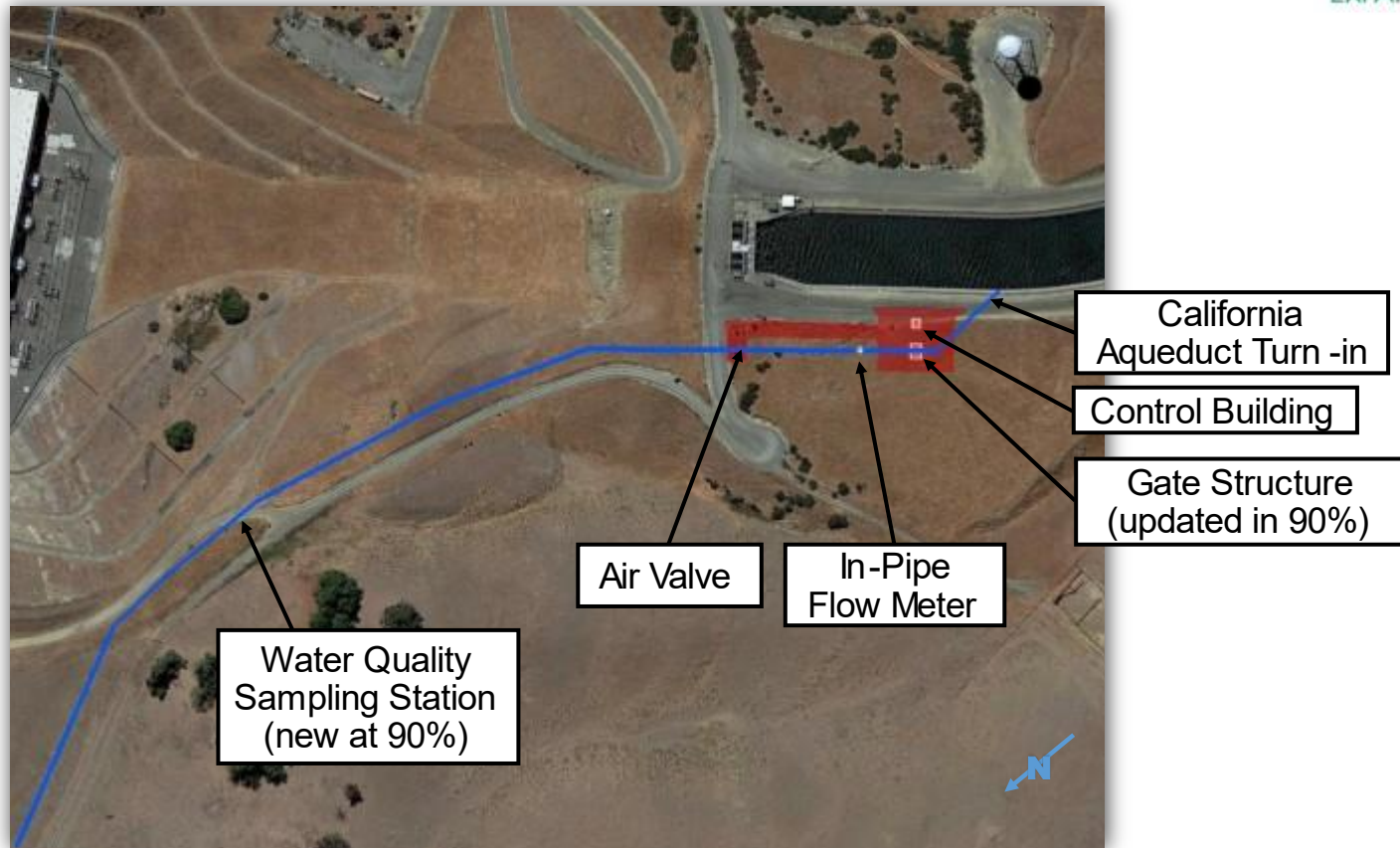
- Design is advancing ahead of the rest of TBPL to gain DWR approval for CWC Funding
- Current location and configuration works for all contemplated alignments
- Completed geotechnical investigation for portion on DWR property
- 90% Design plans and specifications have been delivered to DWR for review

# Alignments and Geotechnical Investigation

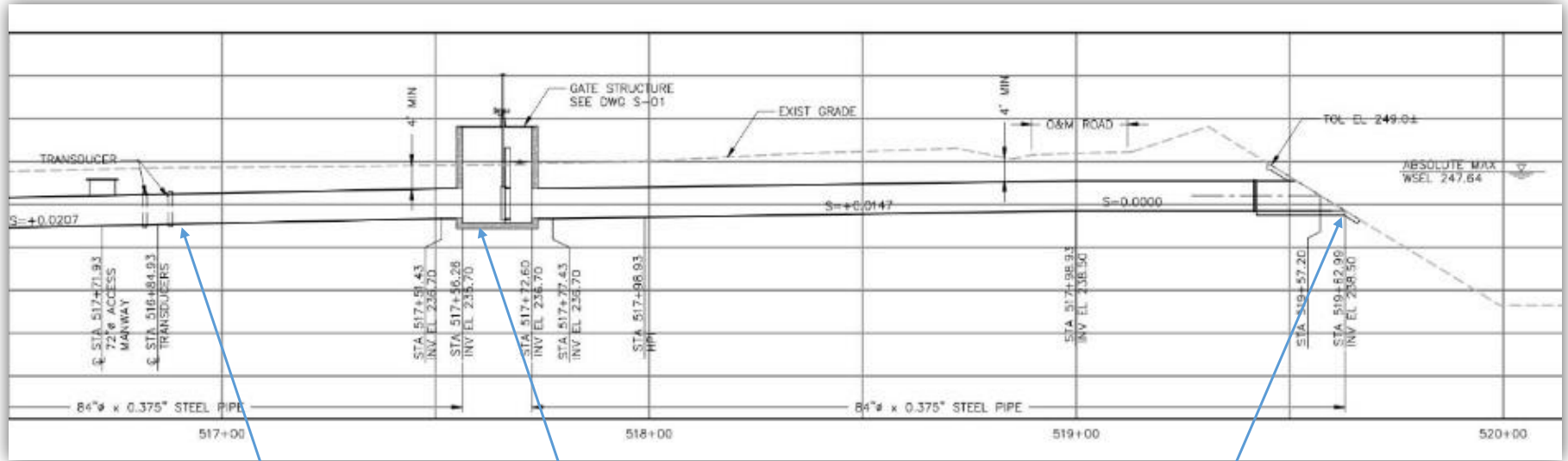


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JPA O&E Meeting- November 17, 2022

# Turn-In Vicinity Map



# Turn-In Section



In-Pipe Flow Meter

Isolation Vault

Pipeline Turn-In

## Turn-In Agreement

- The Turn-In Agreement is anticipated to be between the JPA and DWR
- Identifies roles and responsibilities:
  - Construction; long-term O&M; flow metering; costs; and control of facilities
- Identifies rights of access and facility ownership
- It is anticipated to reference water quality monitoring requirements





# Operation, Maintenance & Control

- An operations and control plan will be detailed in the Turn-In agreement
- Operations will be controlled by CCWD and coordinated with DWR
  - Startup, changes in flow, shutdowns, etc.
- Flow signal provided to DWR and CCWD
- Maintenance responsibility will be determined later, and could be provided by a JPA member



# Turn-in Design – Next Steps



- 90% Design DWR Review **Nov - Jan 2023**
- Final Design Submittal to DWR **Mar 2023**
- DWR Approval of Turn-in Agreement **Spring 2023**

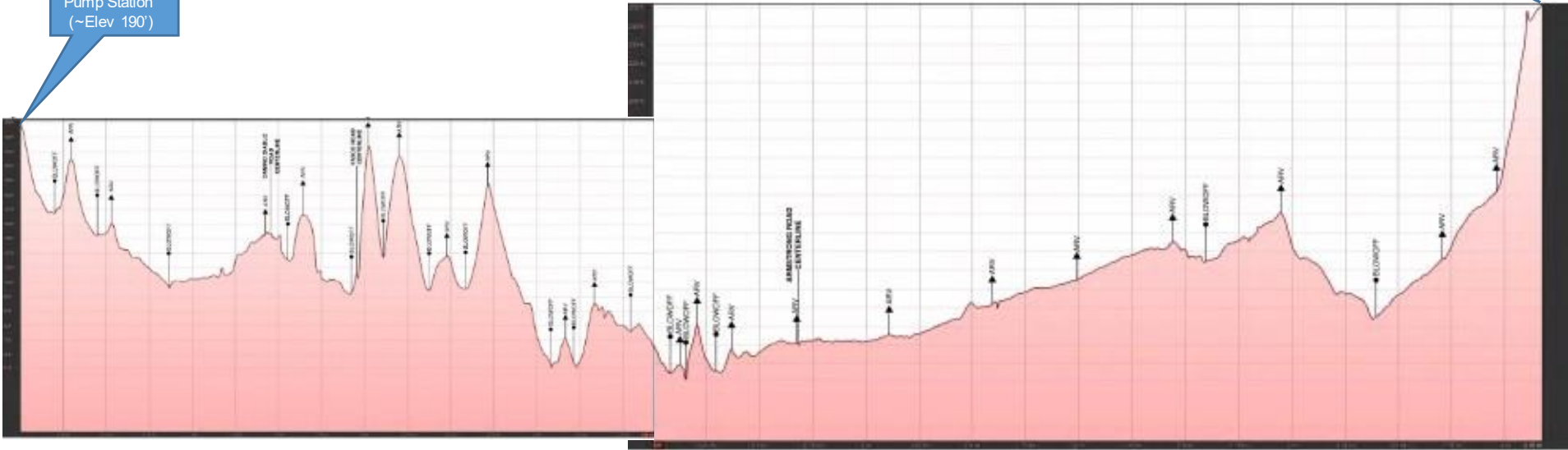
# Questions



# TBPL Profile

California  
Aqueduct Turn -in  
(~Elev 250')

Transfer  
Pump Station  
(~Elev 190')



**ITEM 1.3: REVIEW OF LVE LABOR STABILIZATION PROGRAM**

**RESPONSIBLE/LEAD STAFF MEMBER:**

Taryn Ravazzini, Executive Director

**DISCUSSION:**

Luis Lamas, head of CCWD's construction group, will provide the Committee with an overview of the LVE Labor Stabilization Program, which involves the use of Project Labor Agreements in connection with the Los Vaqueros Reservoir Expansion Project – Phase 2. Mr. Lamas will also provide the Committee with an update on the current status of those agreements.

**ALTERNATIVES:**

For information only

**FISCAL ANALYSIS:**

Not applicable

**ENVIRONMENTAL REQUIREMENTS:**

Not applicable

**EXHIBITS/ATTACHMENTS:**

Slide deck reviewing the LVE Labor Stabilization Program



**LOS  
VAQUEROS  
RESERVOIR  
EXPANSION  
PROJECT**

**LVR Joint Powers Authority  
Operations & Engineering Committee  
Agenda Item No. 1.3 Los Vaqueros Reservoir  
Expansion Project – Labor Stabilization Program**

**November 17, 2022**



# LVE Labor Stabilization Program



- LVE will construct several large storage and conveyance facilities totaling ~\$943M (June 2022 dollars)
- LVE will compete for skilled labor with other regional and state -wide projects
- Avoiding lockouts will support timely construction to
  - Expedite dam construction and refill to reduce operational risks
  - Provide environmental water management and improve regional water supply reliability and emergency supplies
- Labor harmony and availability supports quality construction



# LVE Labor Stabilization Program



- Labor stability is typically accomplished by executing a Project Labor Agreement (PLA)
- A PLA will reduce the potential for lack of skilled labor or work stoppages by establishing:
  - Standard working conditions
  - Dispute resolution mechanisms
  - Guarantees against work stoppages
  - Access to established craft worker referral systems
- PLA supersedes other labor agreements that would otherwise apply to a contractor on the project
- PLAs are often used on large, multi-year projects with critical delivery schedules





# LVE Labor Stabilization Program



- District has successfully used PLAs on large, complex projects without impacts to competition or cost

Project	Construction Period	Project Bid Values (millions)	Number of bidders	Low Bid as % of Engineer's Estimate	Delay Caused by Labor Interruptions (days)
Bollman Water Treatment Plant	1995-1998	\$24.8	7	87.9%	0
Los Vaqueros Dam	1994-1998	\$142.8	6	86.8%	0
Multi-Purpose Pipeline	2000-2003	\$55.8	5	82.1%	0
WTP for the City of Brentwood	2006-2008	\$40.3	4	105.5%	0
Middle River Intake Project	2008-2010	\$61.8	6	78.4%	0
Los Vaqueros Expansion 160 TAF	2010-2012	\$50	7	70.7%	0



# LVE Labor Stabilization Program



## Project List

Contra Costa Pumping Plant No. 1 Replacement Project

Los Vaqueros Dam Expansion Project

Neroly High Lift Pump Station Project

Relocation of Los Vaqueros Marina Project

Transfer-Bethany Pipeline Project

Transfer-Bethany Pump Station & Transfer Pump Station Improvements Project

Smaller contracts with less critical schedules (fencing, pipeline or canal inspections, and mitigation project improvements) will not be subject to the PLA



## LVE Labor Stabilization Program



- CCWD is currently negotiating the PLA with Contra Costa Building & Construction Trades Council, finalized in December 2022
- PLA will be signed by the Building & Construction Trades Council and their affiliated unions
- CCWD will include the PLA in bid documents
- PLA must be signed by the successful bidders and the terms binding in the construction contract

**ITEM 1.4: DISCUSSION OF FUTURE COMMITTEE MEETING PROCEDURES AND ATTENDANCE**

**RESPONSIBLE/LEAD STAFF MEMBER:**

Taryn Ravazzini, Executive Director

**DISCUSSION:**

As voted on at the November 9 Board meeting, each Authority committee will continue to meet virtually according to the Ralph M. Brown Act (Brown Act). This item will give the Committee an opportunity to discuss posting requirements and other meeting set up/technology needs at their individual agencies to properly comply with the Brown Act.

**ALTERNATIVES:**

For discussion

**FISCAL ANALYSIS:**

Not applicable

**ENVIRONMENTAL REQUIREMENTS:**

Not applicable

**EXHIBITS/ATTACHMENTS:**

None